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(54) Title: SCHEDULING MULTITHREADED PROGRAMMING INSTRUCTIONS BASED ON DEPENDENCY GRAPH

(57) Abstract: A computer implemented method for scheduling multithreaded programming instructions based on the dependency graph wherein the dependency graph organizes the programming instruction logically based on blocks, nodes, and super blocks and wherein the programming instructions could be executed outside of a critical section may be executed outside of the critical section by inserting dependency relationship in the dependency graph.

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